

Title (en)

Installation, sampling device and method for radioactivity measurement in a nuclear power plant

Title (de)

Einrichtung, Probenentnahmeverrichtung und Verfahren zur Messung der Radioaktivität in einer Kernreaktoranlage

Title (fr)

Installation, dispositif d'échantillonnage et procédé pour mesurer la radioactivité dans une centrale nucléaire

Publication

EP 1298675 A1 20030402 (EN)

Application

EP 01810949 A 20010928

Priority

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Abstract (en)

The invention comprises an installation, method and device for in-situ activity measurements of off-gas of nuclear power plants, e.g. during containment venting. The installation comprises a sampling device (37) that is transported in a pipe-post transport unit (34) to a sampling station (36), where sampling is performed. Sampling is performed with a suction device in such a way, that fission products in the off-gas are physically or chemically bound in special adsorber and/or filter means inside the sampling device. The exposed sampling device is transported back to a receiving station (31b). There, the sampling device is preferably received in a shielded container to be transported to a laboratory, where activity measurements can be performed. The installation, method and device is designed to meet very high safety standards that are combined with an easy operation. <IMAGE>

IPC 1-7

G21C 17/00; **B65G 51/04**; **G01T 7/08**

IPC 8 full level

B65G 51/04 (2006.01); **G21C 17/00** (2006.01)

CPC (source: EP)

B65G 51/04 (2013.01); **G21C 17/00** (2013.01); **Y02E 30/30** (2013.01)

Citation (search report)

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- [X] PATENT ABSTRACTS OF JAPAN vol. 005, no. 196 12 December 1981 (1981-12-12)
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